

ABSTRACT

The present invention relates to a signal processing device and signal processing method, and program and recording medium, whereby images and the like closer approximating real world signals can be obtained. An object which is moving at a movement amount  $v$  in the horizontal direction is photographed, and an image wherein the object is blurred is input into a signal processing device. A continuity setting unit 15012 supplies the movement amount  $v$  of the object to an actual world estimating unit 15013 as continuity information. The actual world estimating unit 15013 estimates a pixel value for an image without blurring, by computing a normal equation comprising a model equation which models the relation of the pixel values in the input image and the pixel values in an image without blurring according to the movement amount  $v$ , and a constraint condition expression which constrains between the pixels in an image without blurring, and supplies this to an image generating unit 15014. The present invention can be applied to, for example, cases of removing movement blurring from an image, for example.